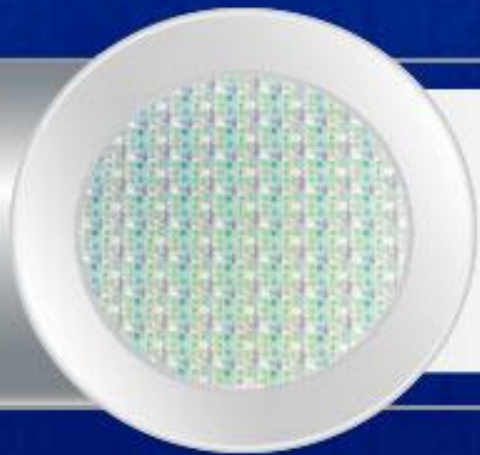




The Global Specialty Foundry Leader



Strategy/ Performance: Continuous Growth

Dr. Itzhak Edrei, President

June 2017

The Global Specialty Analog Foundry



WE NEVER COMPETE WITH OUR CUSTOMERS

TowerJazz: The Global Specialty Foundry Leader | A SNAPSHOT

Proven Analog Business Model

Fastest Growing Foundry
in the **world** with
Proportional Growth in
All Financial Metrics



Technology Leadership

Wide Range of
Advanced and
Differentiated
Specialty Analog
Offerings



Market Leadership

Well Positioned in the
Fastest Growing Markets
with **Long Term Customer**
Relationships and
Roadmap Alignment



Operational Excellence

High Worldwide
Manufacturing
Capabilities and
Flexibility



Q1 2017 Financial Results

Revenue	\$330M	19% YoY growth
Gross Profit	\$85M	38% YoY increase
Operating Profit	\$53M	71% YoY increase
EBITDA	\$101M	30% YoY increase
Net Profit	\$46M	83% YoY increase (excluding SA acquisition gain)
Free Cash Flow	\$42M	110% YoY increase
Q2 Revenue Guidance	\$345	Mid range +/- 4% Up 13% year over year

Foundry Landscape

(\$M)	2005		2010		2015		2016		2016/15 Change	Accumulated Change
A	TSMC	8,217	TSMC	13,307	TSMC	26,439	TSMC	29,488	11%	259%
B	UMC	3,259	UMC	3,965	GF	4,990	GF	5,545	10%	390%
C	SMIC	1,171	GF	3,510	UMC	4,464	UMC	4,582	3%	41%
D	PowerChip	1,587	PowerChip	2,424	SMIC	2,222	SMIC	2,921	31%	150%
E	Chartered	1,132	SMIC	1,555	PowerChip	1,268	PowerChip	1,275	1%	-20%
1	Vanguard	353	TowerJazz	509	TowerJazz	961	TowerJazz	1,249	30%	1125%
2	Dongbu	347	Vanguard	505	Vanguard	736	Vanguard	800	9%	127%
3	HHNEC	313	Dongbu	495	Hua Hong	650	Hua Hong	712	10%	127%
4	SSMC	280	SSMC	330	Dongbu	585	Dongbu	672	13%	94%
5	He Jian	250	X-Fab	320	SSMC	460	X-Fab	510	54%	146%
11	Tower	102								

Digital Deep Sub Micron

Specialty Analog

The fastest growing foundry in the world

Source: IC Insights, EE Times, Company Reports

Analog vs. Digital: Main Differences

	<i>Digital Foundries</i>	<i>Specialty Analog Foundries</i>
Capacity CapEx	High	Low
Technology CapEx	High	Low
Product Lifetime	Short	Long
Customer Engagement	Typically multi-source	Sole or limited source
Technology Differentiation	At leading edge only	Across process technologies
Process Technologies	CMOS	CIS, SiGe, BCD, BiCMOS, MEMS
Technology Nodes	65nm-16nm 10nm prototyping	350nm-65nm – SPECIALTY
	High speed data crunching and heavy storage	Real world interfacing to digital world

Market **MEGATRENDS** driven by Internet of Things

Key megatrends driving rapid growth in Analog/Mixed-Signal applications



GREEN EVERYTHING
Energy Efficiency

28% of
Revenues



WIRELESS EVERYTHING
Seamless Connectivity

30% of
Revenues



SMART EVERYTHING
Embedded Systems

18% of
Revenues

Analog/Mixed-Signal Applications

Power
Management

High-Performance
Analog

RF

Sensors
(Imaging, MEMS)

Advanced Specialty Analog Technology Platforms with Broad Technology Portfolio



**RF
& HPA**



**Power/
MS CMOS**



CIS



TOPS

End Market Diversification – Top Customers

	Power	Radio Frequency / High Performance Analog		CMOS Image Sensors	Other (A&D, Mixed-Signal, Sensors, Embedded Memory, ESD etc.)
	~28%	~22% mobile	~8% Infrastructure	~18%	~25%
Customer 1	✓	✓	✓	✓	✓
Customer 2		✓	✓		
Customer 3	✓		✓		✓
Customer 4	✓				
Customer 5		✓	✓		✓
Customer 6		✓	✓		
Customer 7	✓			✓	✓
Customer 8	✓		✓		✓
Customer 9					✓
Customer 10	✓				
Customer 11-15	✓		✓	✓	✓

Global Footprint: Worldwide Manufacturing Capabilities

High Quality, Flexibility and Capacity Assurance

Seven worldwide manufacturing facilities providing capacity assurance, operational flexibility, and dual-sourcing capabilities with available capacity of over 2.3 million wafers per year.



Migdal HaEmek, Israel

6" (150mm)
CMOS, CIS, Power, Power Discrete
1 μ m to 0.35 μ m
Planarized BEOL,
W and Oxide CMP



Midgal HaEmek, Israel

8" (200mm)
CMOS, CIS, Power, Power Discrete, MEMS, RFCMOS
0.18 μ m to 0.13 μ m
Cu and Al BEOL
EPI, 193nm Scanner



Newport Beach, USA

8" (200mm)
CMOS, CIS, MEMS, RF Analog
0.18 μ m to 0.13 μ m
Al BEOL, SiGe, EPI



San Antonio, USA

8" (200mm)
Power, RF Analog
• 0.18 μ m
Al BEOL



Tonami, Japan

8" (200mm)
Power Discrete, HVC MOS, CMOS, PMIC, NVM, CCD
0.5 μ m to 0.13 μ m



Uozu, Japan

12" (300mm)
CMOS, CIS, RF/CMOS
65nm to 45nm

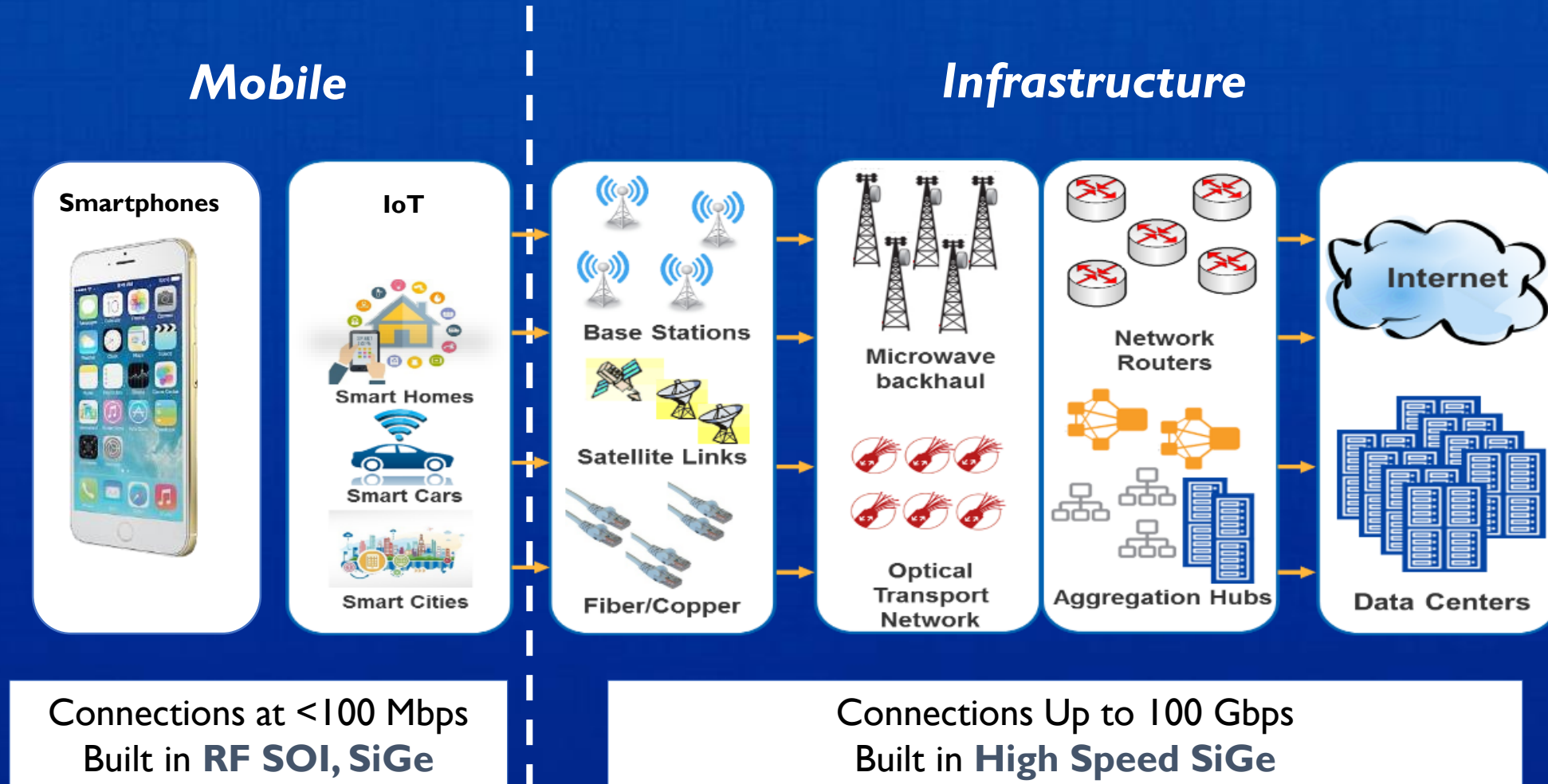


Arai, Japan

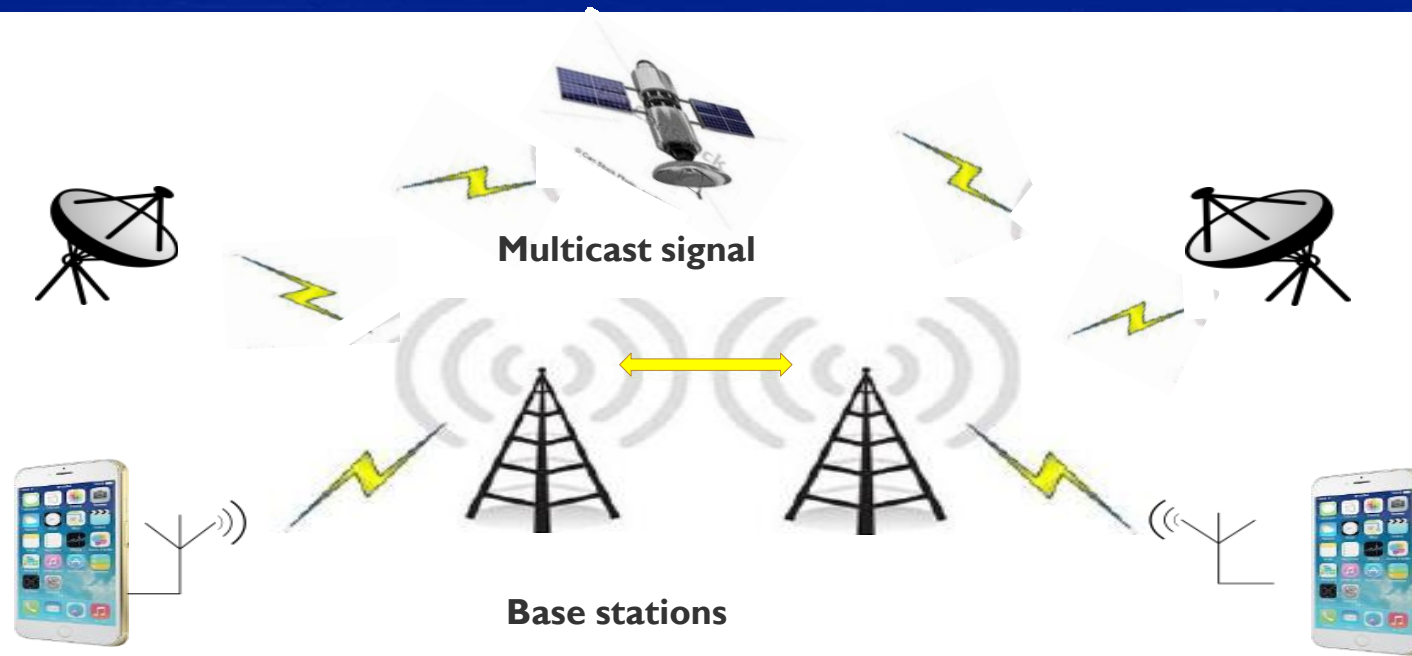
8" (200mm)
Analog, CIS, RFCMOS
0.13 μ m to 0.11 μ m
Thick Cu RDL

Growth Drivers

End-to-End View of Our RF Applications Markets



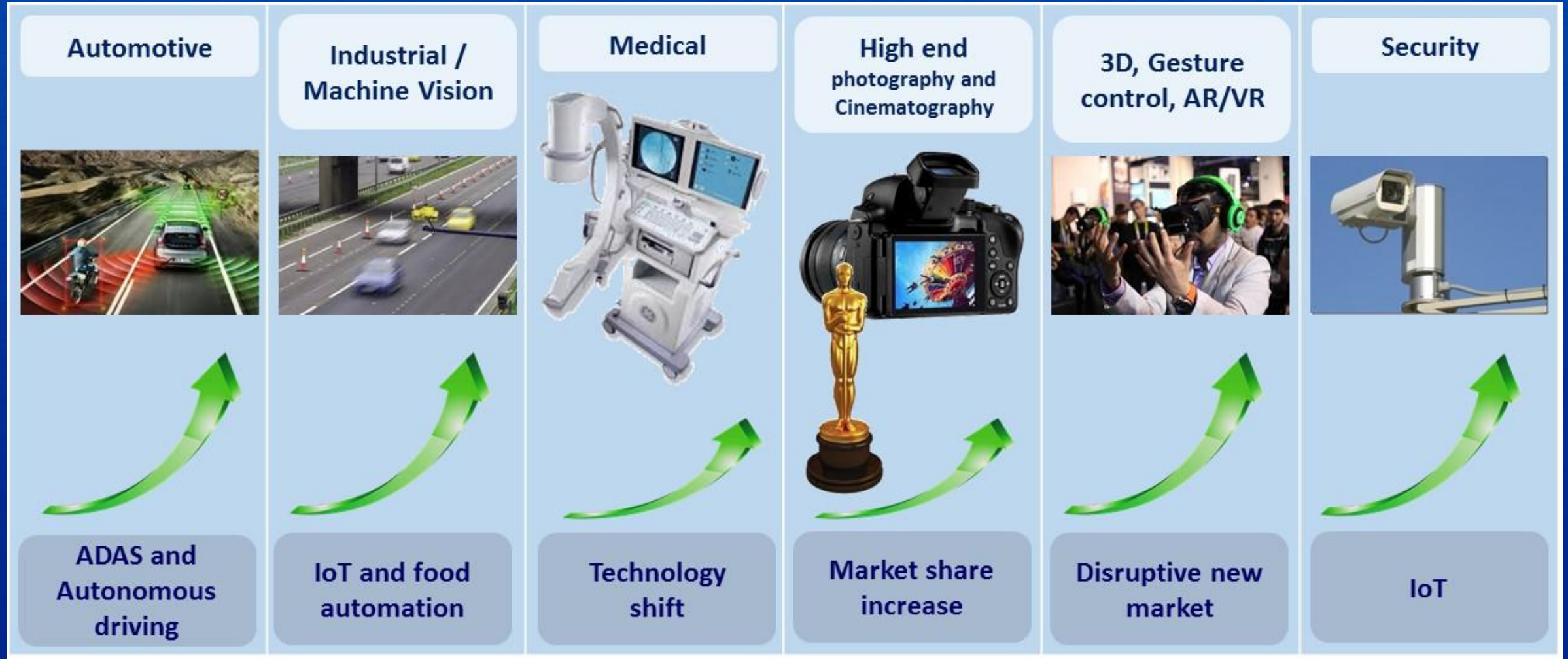
Our world is analog... TowerJazz connects it to the digital!



SiGe optical transceivers and mmWave backhaul

**Transferring a picture between two mobile phones
An example of the critical roles of analog chips**

CIS market segments and trends



Power Management Growing Markets

Power Management ICs are needed in every electronic system to efficiently deliver the required voltages and currents while reducing the drain on the power grid and maximizing battery life



Leading the Foundry Arena with High-Performance Power Management Platforms

Analog Automotive Semiconductor Segment - Outlook

- With a robust CAGR of 10%, Analog Automotive Semiconductor segment continues to provide a growing end market for TowerJazz's Specialty Analog Foundry technologies

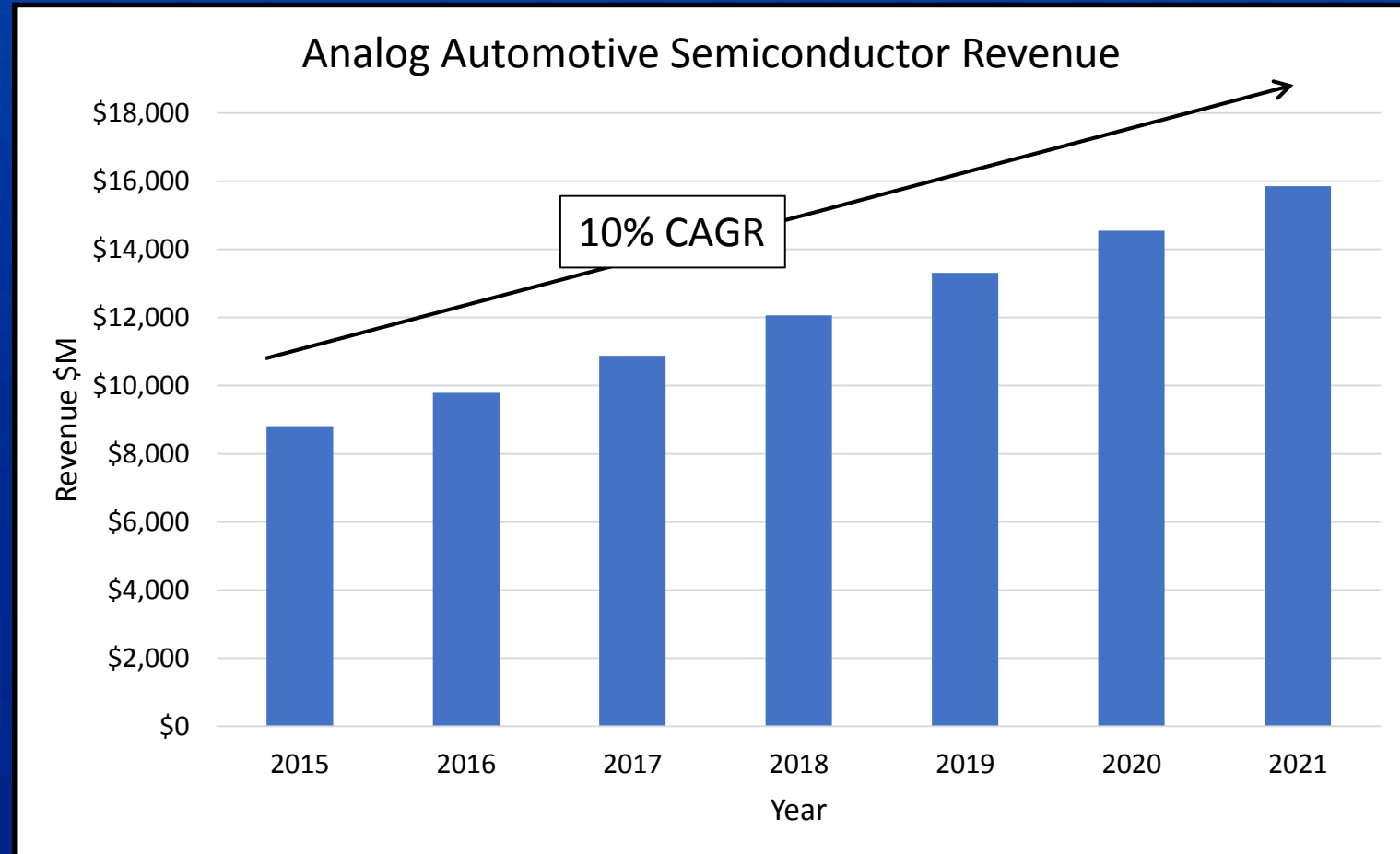
Battery Management

Vehicles
(Electrical/ Autonomous)

Radar
(Collision avoidance)

Wireless Connectivity

ADAS
(Advanced Driver Assistance Systems)



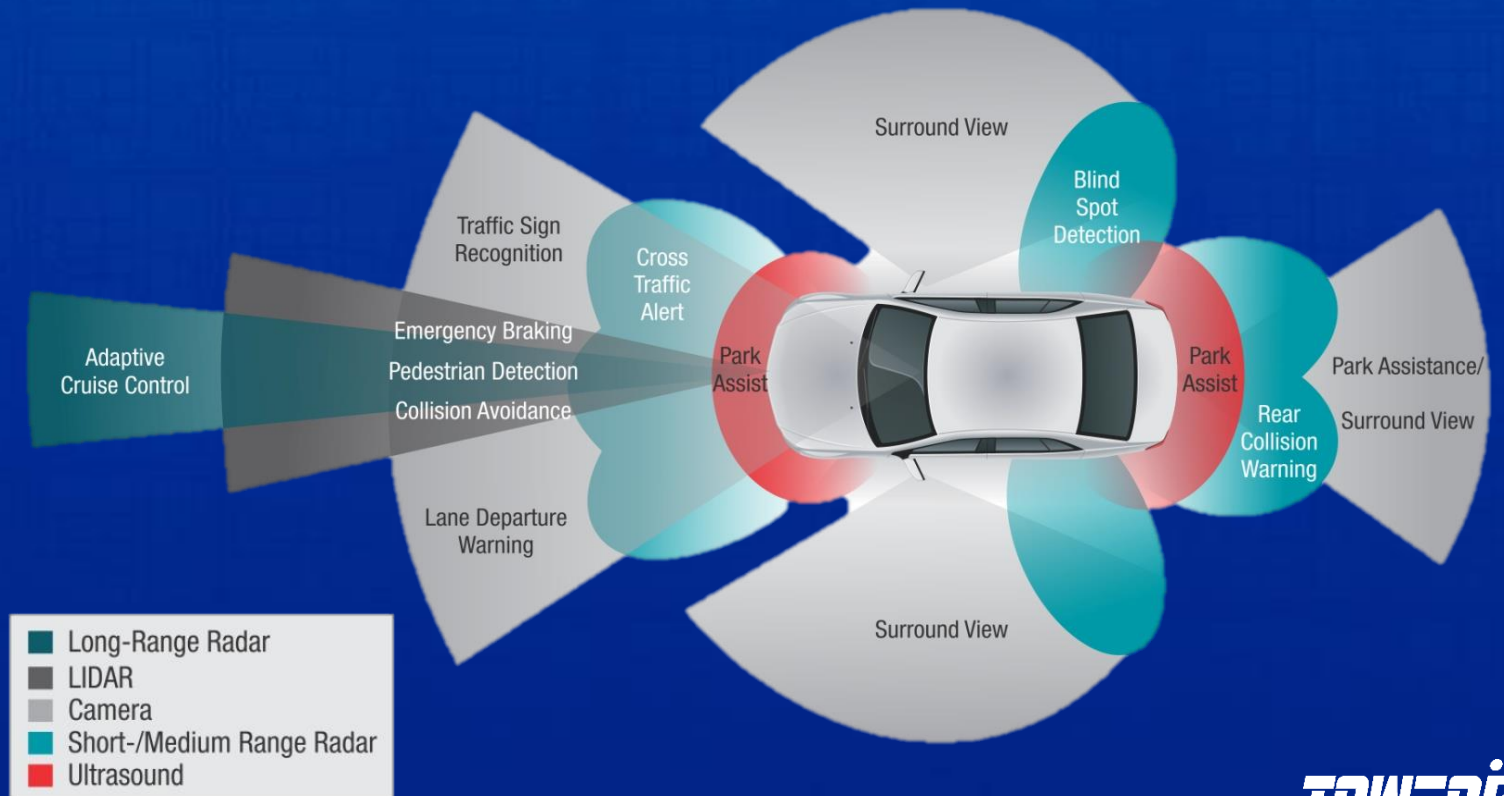
Fast growing markets – Automotive

Advanced Driver Assistance Systems (ADAS) and Autonomous Driving

- 360° coverage
- 6-8 cameras per car
- VGA moving to HD
- High Dynamic Range (HDR)
- Near IR vision
- LIDAR



“The global autonomous car market is expected to witness a CAGR of over 10% through 2035”
(Markets and Markets)



Supporting Continued Growth

M&A Strategy

1. Increase Served Market

- Acquire new technologies w/ established customer base
- Acquire new technologies which serves existing base

1. Increase Operational Capacity

- Acquiring capacity at substantial lower cost than organic growth

1. Create Geographic Alignment

- Improved customer alignment through local manufacturing (e.g. JDP execution)
- Operational optimization and reduced customer risk through flow cross qualification

M&A Examples: Adding Advanced Analog Capacity at Minimal Cost and Minimal Risk

- Acquire existing factories from system or device maker companies with
 - Long term loading agreements to cover first multiple years running costs
 - Available capacity for incremental business from day one
 - Employee base and expertise within our defined strategic core analog capabilities

TowerJazz Announces Completion and Kick-off of its Joint Venture with Panasonic Corporation

Joint Venture to include three Semiconductor Factories in Japan, Manufacturing of Panasonic and Additional Products

April 1, 2014

TowerJazz Completes Acquisition of Maxim's Fabrication Facility in San Antonio, Texas

Acquisition to expand TowerJazz's worldwide manufacturing capacity and capabilities; Supporting Company's excess customer demand

February 2, 2016

Industry Consolidations

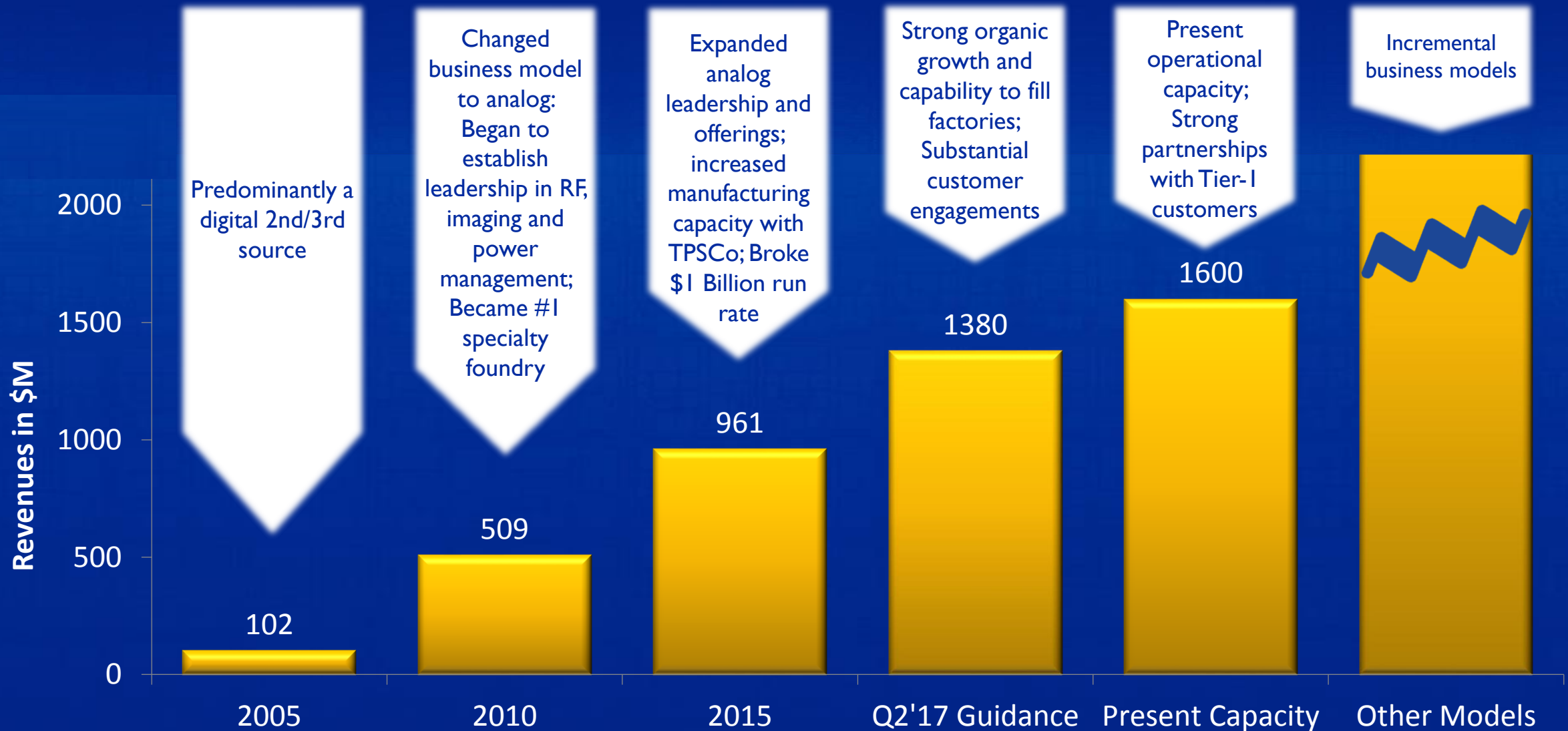
- To date, the major consolidations have opened up greater opportunities for us because we were a trusted supplier of either the acquiring or the acquired company or both
- Examples of consolidations with TowerJazz press released relationships (there are additional):



Happening now



Major Milestones



TOWERjazz

www.towerjazz.com